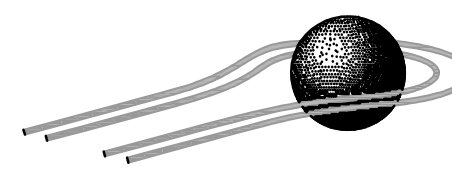


A

BNA Consulting Engineers
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Orange Street
Community
Corrections
Center
80 South Orange Street
Salt Lake City, Utah

SHEET: 1 OF: 3

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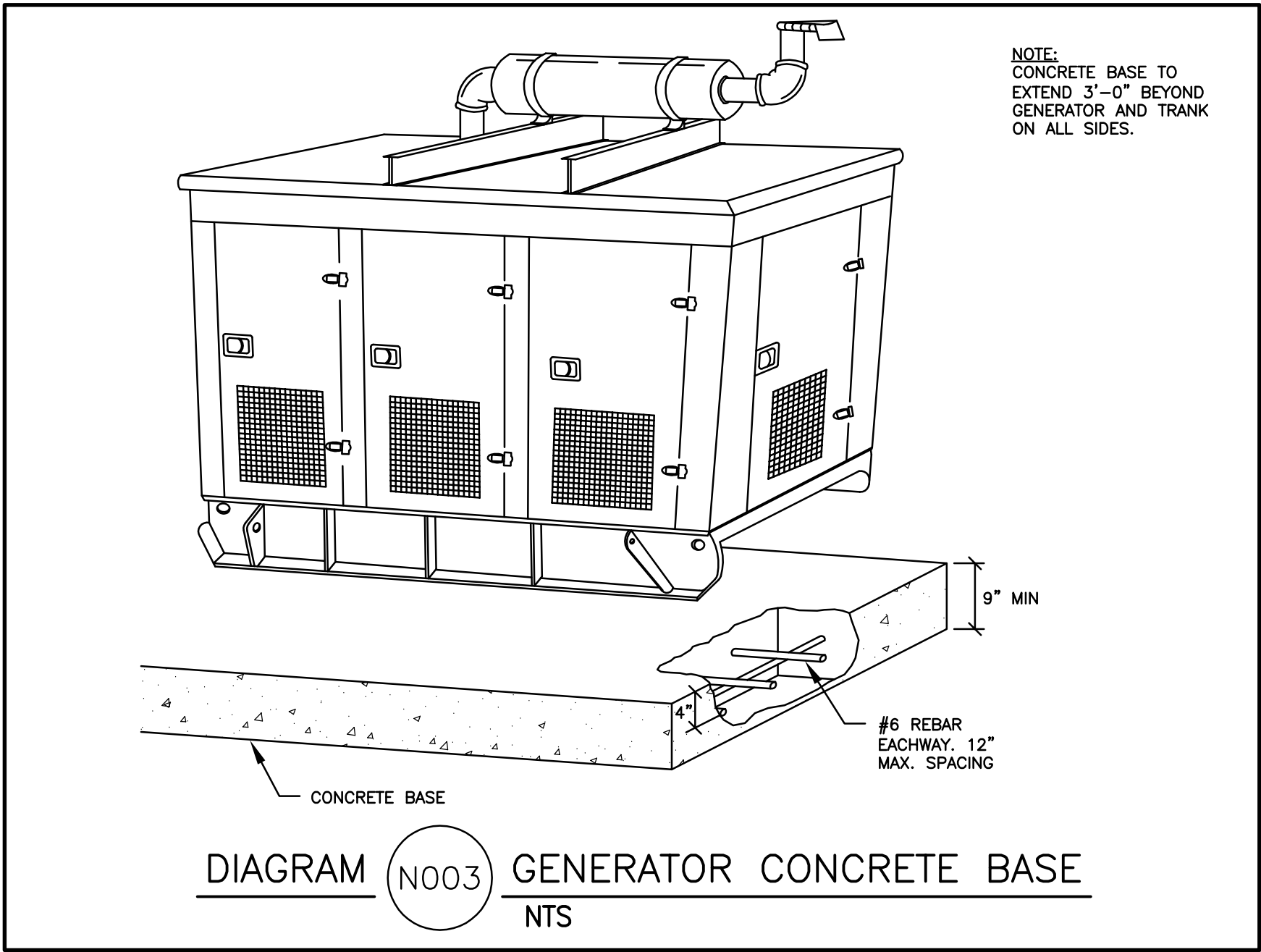


DIAGRAM N003 GENERATOR CONCRETE BASE
NTS

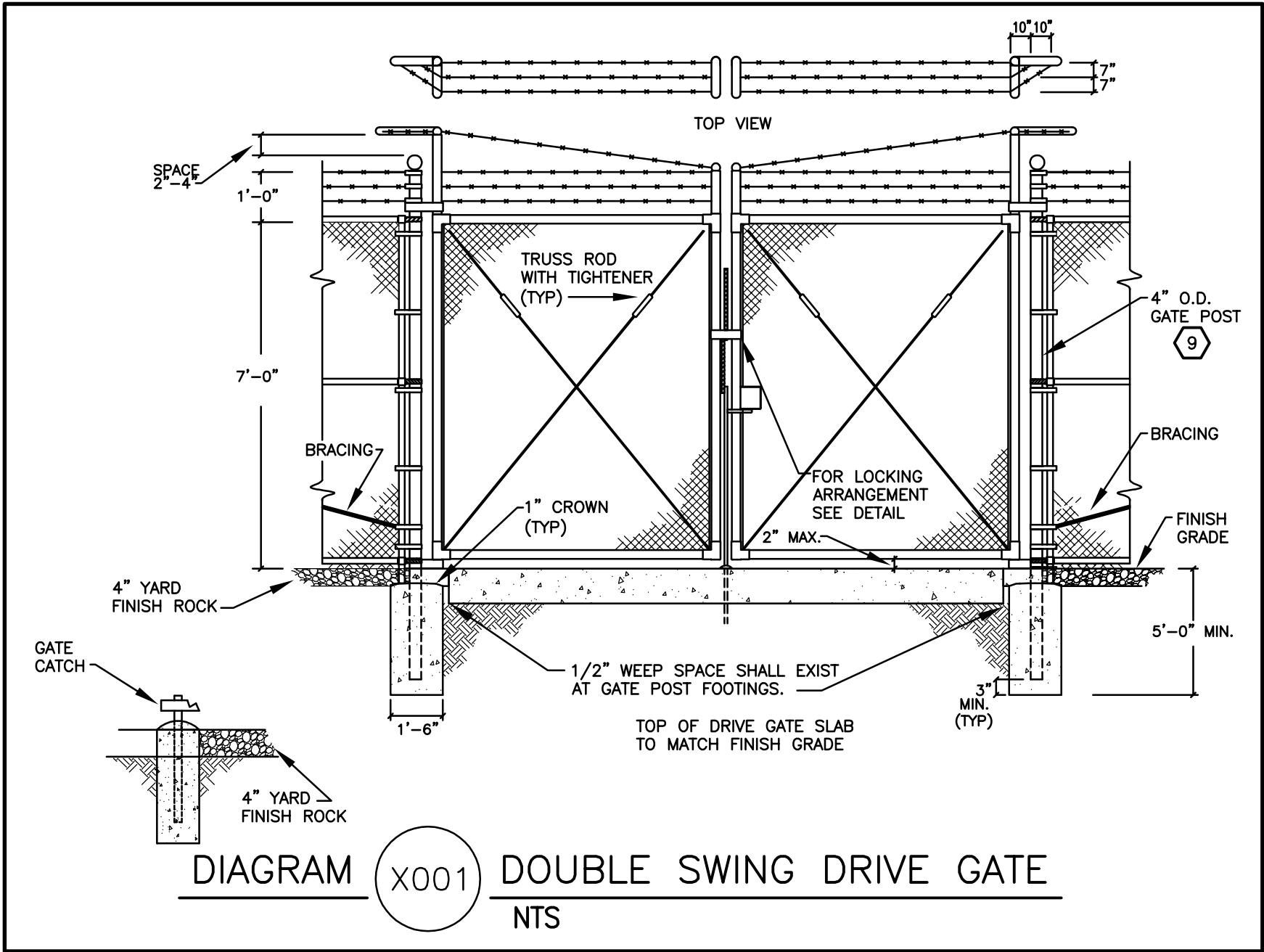


DIAGRAM X001 DOUBLE SWING DRIVE GATE
NTS

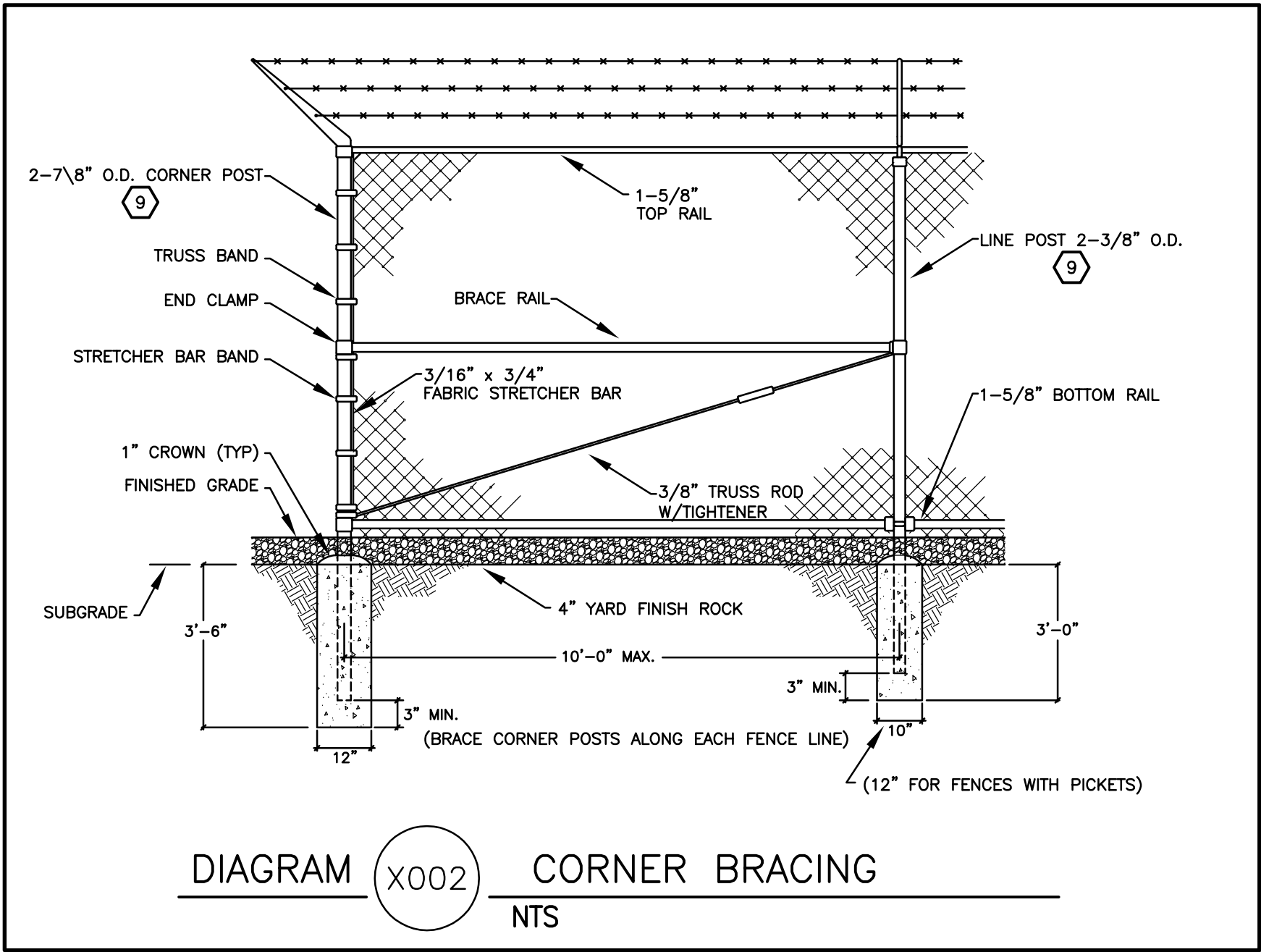


DIAGRAM X002 CORNER BRACING
NTS

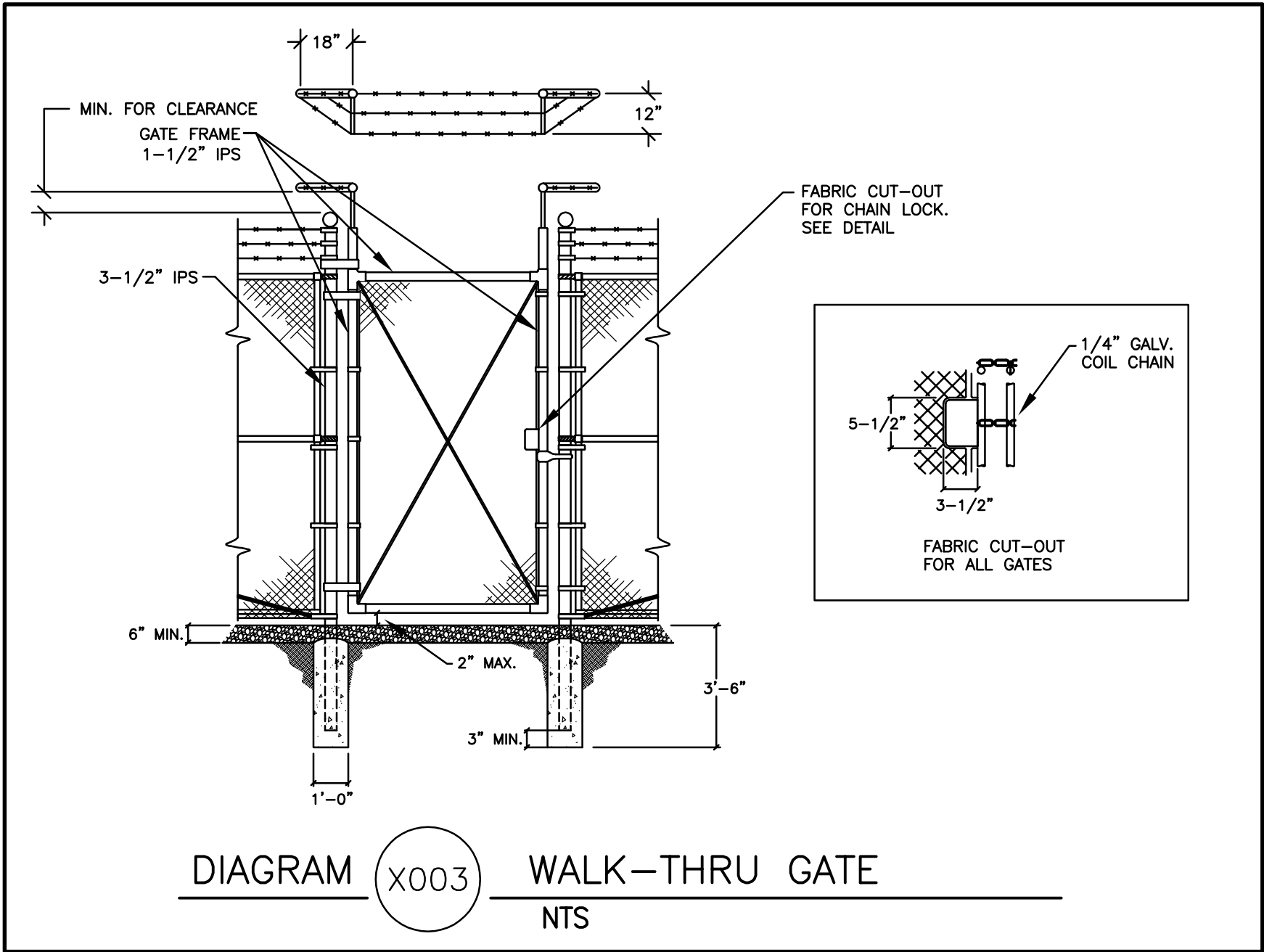


DIAGRAM X003 WALK-THRU GATE
NTS

ELECTRICAL SYMBOL SCHEDULE

- SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
- HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.
- REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
- SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
- NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V.
- HEIGHT TO BE THE LOWER OF EITHER 80' A.F.F. OR 6' BELOW CEILING.
- PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
- DOUBLE ARROWS DENOTE A DOUBLE FACE UNIT.
- COORDINATE WITH SHOP DRAWINGS.
- SUBSCRIPT DENOTES NEMA CONFIGURATION.
- HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISHED FLOOR.
- SUBSCRIPT U INDICATES ULTRASONIC, P INDICATES PASSIVE INFRARED.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
—	ONE CIRCUIT, TWO WIRE HOME RUN TO PANEL		
—	CONDUIT RUN CONCEALED IN WALL OR CEILING		
—	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		
○	CONDUIT UP		
●	CONDUIT DOWN		
—	CONDUIT STUB LOCATION	CAP CONDUIT	
Ⓜ	JUNCTION BOX (1" IN FLOOR)	AS NOTED	
B42	ARCHITECTURAL ROOM NUMBER		
42	EQUIPMENT NUMBER		
①	REFERENCE NOTE		
⚡	FIRE ALARM PANEL		

GENERAL NOTES

- VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
- SEE APPLICABLE SHOP DRAWINGS FOR LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
- SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
- ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
- CIRCUITS EXTENDING OVER 70' FOR 120 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH MINIMUM #10 CONDUCTORS.
- CONCEAL ALL NEW CONDUIT IN WALLS AND CEILING SPACES OR PROVIDE SURFACE MOUNTED RACEWAY (IE WIREMOLD).

DEMOLITION NOTES

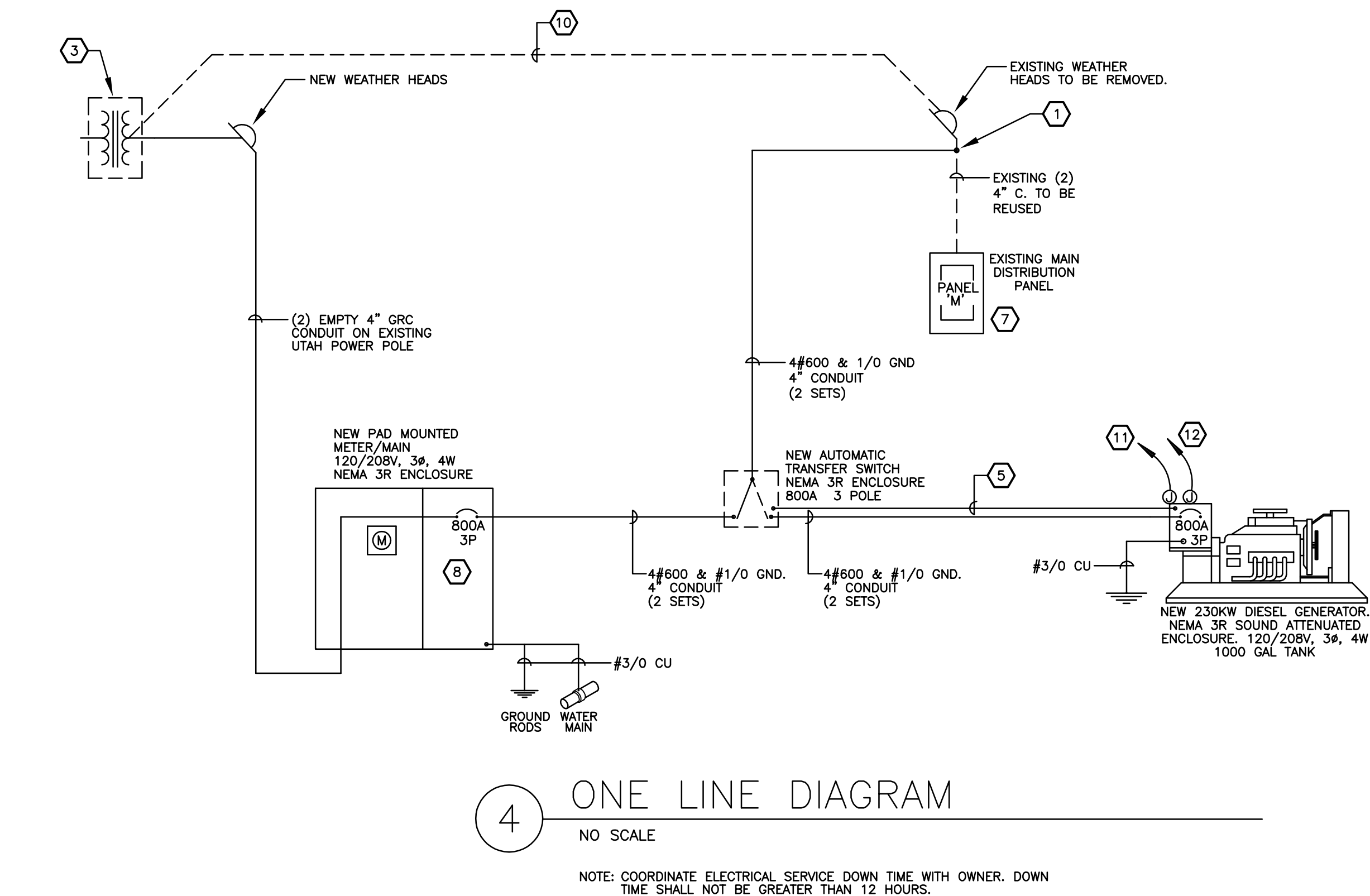
- COORDINATE ALL NEW ELECTRICAL EQUIPMENT REQUIREMENTS AND MAKE CONNECTION TO EXISTING SYSTEMS. THIS INCLUDES LIGHTING, POWER, SIGNAL, RACEWAY AND OTHER SYSTEMS INCLUDED UNDER DIVISION 16.
- RELOCATE, REWIRE AND/OR RECONNECT EXISTING ELECTRICAL DEVICES AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
- CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. EXCEPT WHERE THE USE OF SURFACE METAL RACEWAYS (E.G. WIRE MOLD) IS INDICATED ON DRAWINGS OR IN SPEC.
- LEAVE ALL EXISTING EQUIPMENT, IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC. TO WORKING CONDITION.
- EXISTING RACEWAYS MAY BE REUSED (IN PLACE) WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. INSURE INTEGRITY OF EXISTING RACEWAY BEFORE REUSE.
- REMOVE ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. REMOVE CONDUCTORS BACK TO THE PANEL LABEL CIRCUIT BREAKER AS "SPARE".
- DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.

INDEX OF ELECTRICAL DRAWINGS

GI001	TITLE PAGE
EQ001	SCHEDULE, NOTES & ONELINE DIAGRAM
ES101	ELECTRICAL SITE PLAN

SHEET KEYNOTES

- INTERCEPT EXISTING FEEDER CONDUITS AND EXTEND TO NEW AUTOMATIC TRANSFER SWITCH.
- EXISTING FEEDER TO BE REMOVED.
- EXISTING UTAH POWER POLE MOUNTED TRANSFORMER TO REMAIN.
- EXISTING METER BASE TO BE REMOVED.
- 1" CONDUIT WITH CONTROL WIRING PER MANUFACTURER.
- NOT USED.
- REMOVE EXISTING BONDING JUMPER BETWEEN NEUTRAL AND GROUND.
- BOND NEUTRAL AND GROUND IN NEW CT CABINET.
- FILL ALL FENCE POSTS WITH CONCRETE.
- REMOVE EXISTING AERIAL FEEDER. COORDINATE WORK WITH UTAH POWER.
- CIRCUIT BLOCK HEATER TO A NEW 20A/1P BREAKER IN EXISTING PANEL 'MECH', WIRE 2#10 AND #10 GND IN 3/4" CONDUIT.
- CIRCUIT BATTERY CHARGER TO A NEW 20A/P1 BREAKER IN EXISTING PANEL 'MECH', WIRE 2#12 AND #12 GND IN 3/4" CONDUIT.



ONE LINE DIAGRAM
NO SCALE

NOTE: COORDINATE ELECTRICAL SERVICE DOWN TIME WITH OWNER. DOWN TIME SHALL NOT BE GREATER THAN 12 HOURS.

Professional Stamp:

CONSULTANTS



DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT
415 STATE OFFICE BUILDING / 201 WEST 500 SOUTH / SALT LAKE CITY, UT 84119

Project Title:

Orange Street
Emergency
Generator Upgrade
for AP&P

Building Name:

Orange Street
Community
Corrections
Center
80 South Orange Street
Salt Lake City, Utah

MARK DATE DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS

DATE: 6/2/2006
DFCM PROJECT NO: 03242120
STATE PROPERTY ID NO:
CAD DWG FILE: 084B-EG001
DRAWN BY: BNA CHK'D BY: FGK
SCALE: GRAPHIC

Sheet Title:

SCHEDULES AND NOTES

Sheet Number:

EG001

SHEET: 2 OF: 3



Sheet Number: ES101

SHEET: 3 OF: 3